CLAIMS

What is claimed is:

1. A manufacturing method for a refrigerator door, the method comprising:

step A: printing an appearance pattern on an inner surface of a transparent plastic layer;

step B: placing said transparent plastic layer on a male mold of a vacuum forming machine, wherein said inner surface with said appearance pattern faces to the male mold of said vacuum forming machine;

step C: vacuum-forming said transparent plastic layer into a refrigerator door body;

step D: removing a burr from said refrigerator door body in periphery thereof;

step E: placing said refrigerator door body on a lower mold of a foaming jig, wherein said inner surface with said appearance pattern is facing up;

step F: pouring a PU foaming material into the inner surface of said refrigerator door body;

step G: covering a door lining on said PU foaming material and said refrigerator door body;

step H: closing said lower mold with an upper mold of said foaming jig, and pressure-foaming said PU foaming material into said refrigerator door;

step I: separating the lower mold and the upper mold of said foaming jig and extracting said refrigerator door.

2. The manufacturing method for a refrigerator door as claimed in claim 1, wherein in step A said appearance pattern is printed on the inner surface of said transparent plastic layer with painting.

3. The manufacturing method for a refrigerator door as claimed in claim 1, wherein in step C said refrigerator door body comprises a main body and a folded edge, and said vacuum forming machine makes said main body and said folded edge at the same time.

4. The manufacturing method for a refrigerator door as claimed in claim 1, wherein in step D said burr on said refrigerator door body is removed by a blade.

5. A manufacturing method for a refrigerator door, the method comprising:

step A: printing an appearance pattern on an outer surface of a plastic layer;

step B: placing said plastic layer on a male mold of a vacuum forming machine, wherein an inner surface of said plastic layer faces to the male mold of said vacuum forming machine;

step C: vacuum-forming said plastic layer into a refrigerator door body;

step D: removing a burr from said refrigerator door body in periphery thereof;

step E : placing said refrigerator door body on a lower mold of a foaming jig, wherein said outer surface with said appearance pattern is facing down;

step F: pouring a PU foaming material into the inner surface of said refrigerator door body;

step G: covering a door lining on said PU foaming material and said refrigerator door body;

step H: closing said lower mold with an upper mold of said foaming jig, and pressure-foaming said PU foaming material into said refrigerator door;

step I: separating the lower mold and the upper mold of said foaming jig and extracting said refrigerator door.

6. The manufacturing method for a refrigerator door as claimed in claim 5, wherein in step A said appearance pattern is printed on the outer surface of said plastic layer with painting.

7. The manufacturing method for a refrigerator door as claimed in claim 5, wherein in step C said refrigerator door body comprises a main body and a folded edge, and said vacuum forming machine makes said main body and said folded edge at the same time.

8. The manufacturing method for a refrigerator door as claimed in claim 5, wherein in step D said burr on said refrigerator door body is removed by a blade.